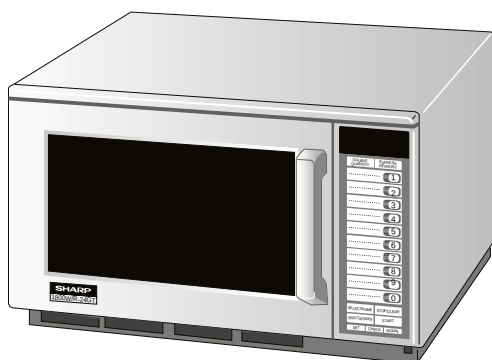


SHARP SERVICE MANUAL

S0512R24GTF//

COMMERCIAL MICROWAVE OVENS



R-24GT-F

MODELS **R-23GT-F** **R-24GT-F**

In the interest of user-safety the oven should be restored to its original condition and only parts identical to those specified should be used.

WARNING TO SERVICE PERSONNEL: Microwave ovens contain circuitry capable of producing very high voltage and current, contact with following parts may result in a severe, possibly fatal, electrical shock. (High Voltage Capacitor, High Voltage Power Transformer, Magnetron, High Voltage Rectifier Assembly, High Voltage Harness etc..)

TABLE OF CONTENTS

	Page
PRECAUTIONS TO BE OBSERVED BEFORE AND DURING SERVICE TO	
AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY	INSIDE FRONT COVER
BEFORE SERVICING	INSIDE FRONT COVER
WARNING TO SERVICE PERSONEL	1
MICROWAVE MEASUREMENT PROCEDURE	2
FOREWORD	3
PRODUCT SPECIFICATIONS	4
GENERAL INFORMATION	4
OPERATION	6
TROUBLE SHOOTING GUIDE/ TEST PROCEDURE	11
TOUCH CONTROL PANEL	21
COMPONENT REPLACEMENT AND ADJUSTMENT PROCEDURE	31
PICTORIAL DIAGRAM	37
CONTROL PANEL CIRCUIT	38
PRINTED WIRING BOARD	40
PARTS LIST	41
PACKING AND ACCESSORIES	46

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The contents are subject to change without notice.

PARTS LIST

Note: The parts marked "Δ" may cause undue microwave exposure.

The parts marked "*" are used in voltage more than 250V.

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
ELECTRIC PARTS				
Δ* 1- 1	FH-HZA064WRE0	Oven thermistor (2)	1	AV
1- 2	QSOCLA026WRZZ	Oven lamp socket	2	AF
Δ* 1- 3	RV-MZA335WRZZ	Magnetron	2	BA
1- 4	FM0TEA503WRKZ	Blower motor	1	
1- 5	FPWBFA383WRKZ	Noise filter	1	AN
1- 6	FACCD115WRKZ	Power supply cord	1	AY
1- 7	FH-HZA070WRE0	Oven thermistor (1) & Magnetron thermistor	2	AM
* 1- 8	FW-QZA117WRK0	High voltage rectifier assembly	1	AU
1- 9	FFS-BA033WRKZ	Monitor switch (V-5220Q) and fuse (20A) assembly	2	--
1-10	QSW-MA087WRE0	Voltage select switch	3	AF
1-11	QSW-MA085WRE0	Secondary interlock switch and Door sensing switch	3	AF
* 1-12	RC-QZA191WRE0	High voltage capacitor (Manufacturing discontinuance)	2	AY
* 1-12	RC-QZA260WRE0	High voltage capacitor (May be used from Feb. / 2006 prod.)	2	AU
1-13	RLMPTA081WRZZ	Oven lamp	2	AK
1-14	RMOTDA209WRE0	Stirrer motor	2	AR
1-15	QFS-TA014WRE0	Temperature fuse 150C (MG.)	2	AG
1-16	QFS-TA015WRE0	Temperature fuse 120C (OVEN)	1	AG
* 1-17	RTRN-A454WRE0	Power transformer [R-23GT-F]	2	BM
* 1-17	RTRN-A455WRE0	Power transformer [R-24GT-F]	2	BM

When the new high voltage capacitor RC-QZA260WRE0 is used instead of old part (RC-QZA191WRE0), please use the new capacitor holder LBNDKA068WRP0, because the sizes of the old high voltage capacitor and the new one are different.

CABINET PARTS

2- 1	FDAI-A275WRTZ	Base plate assembly	1	BC
2- 2	PSHEGA009WREZ	Rubber sheet D	2	AF
2- 3	PSHEGA010WREZ	Rubber sheet E	2	AE
2- 4	GCOVAA350WRPZ	Rear cabinet	1	AX
2- 5	FFTASA064WRY0	Oven lamp access cover assembly	1	AN
2- 5-1	PCUSUA585WRPZ	Cushion	1	AF
2- 5-2	PREFHA059WRP0	Reflector	1	AF
2- 6	GCABUA860WRPZ	Outer case cabinet	1	BD
2- 7	FFPF-A016WRK0	Vibration-proof sheet	1	AU
2- 8	TMAPCA778WRRZ	Schematic diagram	1	AE

CONTROL PANEL PARTS

3- 1	DPWBFC508WRUZ	Control unit [R-23GT-F]	1	BP
3- 1	DPWBFC509WRUZ	Control unit [R-24GT-F]	1	BP
3- 1A	QCNCMA308DRE0	4-pin connector (A)	1	AC
3- 1B	QCNCMA312DRE0	3-pin connector (B)	1	AB
3- 1C	QCNCMA039DRE0	3-pin connector (H)	1	AB
3- 1D	QCNCWA030DRE0	12-pin connector (G)	1	AE
3- 1E	QLUGPA012DRE0	Tab terminal (TAB1, TAB2)	2	AB
C1	VCEAB51EW228M	Capacitor 2200 uF 25V	1	AE
C2	VCKYD11HF104Z	Capacitor 0.1 uF 50V	1	AB
C3	VCEAB31AW476M	Capacitor 47 uF 10V	1	AA
C4	VCKYD11HF104Z	Capacitor 0.1 uF 50V	1	AB
C5	VCEAB31AW476M	Capacitor 47 uF 10V	1	AA
C6	VCKYD11HF104Z	Capacitor 0.1 uF 50V	1	AB
C7	VCKYD11CY103N	Capacitor 0.01 uF 16V	1	AA
C8-9	VCKYD11HF104Z	Capacitor 0.1 uF 50V	2	AB
C10	VCKYD11CY103N	Capacitor 0.01 uF 16V	1	AA
C20	VCEAB31HW104M	Capacitor 0.1 uF 50V	1	AM
C21	VCEAB31EW106M	Capacitor 10 uF 25V	1	AA
C30	VCEAB31AW476M	Capacitor 47 uF 10V	1	AA
C31	VCKYD11CY103N	Capacitor 0.01 uF 16V	1	AA
C60	VCKYD11HF104Z	Capacitor 0.1 uF 50V	1	AB
C61	VCKYD11CY103N	Capacitor 0.01 uF 16V	1	AA
C62	VCKYD11HF104Z	Capacitor 0.1 uF 50V	1	AB
C63	VCKYD11CY103N	Capacitor 0.01 uF 16V	1	AA
C64	VRD-Q12EF562J	Resistor 5.6k ohm 1/4W	1	AA
C70	VCKYD11CY103N	Capacitor 0.01 uF 16V	1	AA
C100	VCEAB31AW476M	Capacitor 47 uF 10V	1	AA
C101	VCKYD11CY103N	Capacitor 0.01 uF 16V	1	AA
CF1	RCRS-A010DRE0	Ceramic resonator CST4.00MGW	1	AD
D1-4	VHD10EDB10+-1T	Diode (10EDB10)	4	AB

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
D20-22	VHD1SS270A/-1	Diode (1SS270A)	3	AA
D23	VHD10EDB10+-1T	Diode (10EDB10)	1	AB
D70	VHD1SS270A/-1	Diode (1SS270A)	1	AA
D100-101	VHD1SS270A/-1	Diode (1SS270A)	2	AA
IC1	RH-IZA633DRE0	LSI	1	AW
IC2	RH-IZA980DRE0	IC (AT24C02-10PC2.5)	1	AN
IC3	RIC--A025BDE0	IC (KID65004AP)	1	AE
LED1	VHPSL3966T/1B	Light emitting diode	1	AS
Q1	RIC--A022BDE0	IC (KIA7805PI)	1	AE
Q2	VSDTA123ES/-3	Transistor (DTA123ES)	1	AA
Q3	RH-TZA036CBE0	Transistor (KRC101M)	1	AA
Q20	VSDTB143ES/-3	Transistor (DTB143ES)	1	AC
Q21	RH-TZA036CBE0	Transistor (KRC101M)	1	AA
Q22-23	VSDTD143ES/-3	Transistor (DTD143ES)	2	AC
Q60	RH-TZA037CBE0	Transistor (KRA101M)	1	AA
R1-2	VRD-Q12EF471J	Resistor 470 ohm 1/4W	2	AA
R3-5	VRD-Q12EF472J	Resistor 4.7k ohm 1/4W	3	AA
R30	VRD-Q12EF101J	Resistor 100 ohm 1/4W	1	AA
R31	VRD-Q12EF153J	Resistor 15k ohm 1/4W	1	AA
R32	VRD-Q12EF272J	Resistor 2.7k ohm 1/4W	1	AA
R33	VRD-Q12EF472J	Resistor 4.7k ohm 1/4W	1	AA
R40	VRD-Q12EF272J	Resistor 2.7k ohm 1/4W	1	AA
R50-58	VRD-Q12EF101J	Resistor 100 ohm 1/4W	9	AA
R60	VRD-Q12EF112J	Resistor 1.1k ohm 1/4W	1	AA
R61	VRD-Q12EF472J	Resistor 4.7k ohm 1/4W	1	AA
R62	VRD-Q12EF333J	Resistor 33k ohm 1/4W	1	AG
R63	VRD-Q12EF152J	Resistor 1.5k ohm 1/4W	1	AA
R64	VRD-Q12EF472J	Resistor 4.7k ohm 1/4W	1	AA
R65	VRD-Q12EF682J	Resistor 6.8k ohm 1/4W	1	AA
R66	VRD-Q12EF472J	Resistor 4.7k ohm 1/4W	1	AA
R70-71	VRD-Q12EF472J	Resistor 4.7k ohm 1/4W	2	AA
R80-88	VRD-Q12EF472J	Resistor 4.7k ohm 1/4W	9	AA
R100	VRN-R12EK821F	Resistor 820 ohm (F) 1/4W	1	AA
R101	VRD-Q12EF104J	Resistor 100k ohm 1/4W	1	AA
R102	VRD-Q12EF472J	Resistor 4.7k ohm 1/4W	1	AA
(J5)	VRD-Q12EF103J	Resistor 10k ohm 1/4W [R-23GT-F]	1	AA
(J5)	VRD-Q12EF203J	Resistor 20k ohm 1/4W [R-24GT-F]	1	AA
(J6)	VRD-Q12EF203J	Resistor 20k ohm 1/4W [R-23GT-F]	1	AA
(J6)	VRD-Q12EF103J	Resistor 10k ohm 1/4W [R-24GT-F]	1	AA
RY1	RRLY-A071DRE0	Relay (OJE-SS-112LM)	1	AG
RY2-3	RRLY-A094DRE0	Relay (OMIF-S-112LM)	2	AN
SP1	RALM-A014DRE0	Buzzer (PKM22EPT)	1	AG
T1	RTRNPA095DRE0	Touch control transformer	1	AU
CT1	RTRN-026CHRE0	Current transformer	1	AH
VRS1-2	RH-VZA034DRE0	Varistor (10G471K)	2	AD
ZD1	VHEHZ12B1//--1	Zener diode (HZ12B1)	1	AB
ZD2	VHEHZ4A2///--1	Zener diode (HZ4A2)	1	AA
3- 2	FPNLCA468WRK0	Control panel frame with key unit	1	AZ
3- 2-1	FUNTKA773WRE0	Key unit	1	AT
3- 2-2	HDECAA195WRP0	Decoration metal fittings	1	AP
3- 2-3	PCUSUA417WRP0	Cushion	1	AB
3- 3	LANGTA243WRW0	Control panel mounting angle	1	AF
3- 4	XEPS730P10XS0	Screw; control unit mounting	5	AA
3- 5	XEPS740P12000	Screw; control panel mounting angle mounting	2	AA
3- 6	LX-BZA138WREZ	Screw; decoration panel mounting for earth	1	AB

OVEN PARTS

Δ	4- 1	PGLSPA632WREZ	Lamp glass	1	AG
	4- 2	FDUC-A345WRY0	Exhaust duct assembly	1	AP
	4- 3	*****	Oven cavity (Not a replaceable part)	1	--
	4- 4	PFILWA063WRPZ	Oven light screen (Inside)	1	AD
	4- 5	MLEVPA153WRF0	Switch lever A	1	AC
	4- 6	MLEVPA154WRF0	Switch lever B	1	AC
	4- 7	MLEVPA155WRF0	Switch lever C	1	AC
	4- 8	MSPRCA075WRE0	Switch spring A	1	AB
	4- 9	MSPRCA076WRE0	Switch spring B	2	AB
	4-10	PHOK-A081WRF0	Latch hook	1	AP
Δ	4-11	MHNG-A216WRM0	Lower oven hinge	1	AG
	4-12	PSPAGQ002YBE0	Vibration-proof spacer	1	AA
	4-13	PCUSU0407WRP0	Cushion	2	AA
	4-14	FGLSPA067WRYZ	Ceramic shelf	1	BH
	4-15	FPLT-A008WRY0	Stirrer antenna upper assembly	1	AV
	4-16	FPLT-A009WRY0	Stirrer antenna lower assembly	1	AV
	4-17	LANGKA762WRP0	Partition angle R	1	AE

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
4-18	LANGQA228WRW0	Oven lamp mounting plate	1	AF
4-19	LBNDKA075WRP0	Capacitor holder for capacitor RC-QZA191WRE0	1	AD
4-19	LBNDKA068WRP0	Capacitor holder for capacitor RC-QZA260WRE0 (New)	1	AD
4-20	PGIDHA054WRW0	Water-proof cover	1	AF
4-21	NSFTPA031WRF0	Antenna motor shaft	2	AH
4-22	LANGQA622WRPZ	Noise filter angle	1	AK
4-23	PCUSUA417WRP0	Cushion	1	AB
Δ 4-24	MHNG-A215WRM0	Upper oven hinge	1	AG
4-25	PCUSUA413WRP0	Cushion	1	AG
4-26	PCUSUA415WRP0	Cushion	3	AC
4-27	PDUC-A729WRF0	Air duct	1	AL
4-28	PDUC-A564WRW0	Mg exhaust duct	1	AP
4-29	PCUSUA414WRP0	Cushion	1	AD
4-30	LANGKA679WRPZ	Fixing angle S	1	AD
4-31	HDECQA147WRM0	Corner cap right	1	AE
4-32	LANGFA195WRW0	Chassis support	1	AG
4-33	LBSHC0006YBE0	Cord bushing [R-23GT-F] [R-24GT-F]	1	AD
4-34	LANGQA593WRPZ	Blower motor angle	1	AH
4-35	FFIL-A003WRK0	Air intake filter assembly	1	AV
4-36	HDECEA001WRP0	Decoration sash	1	AR
4-37	HDECQA146WRM0	Corner cap left	1	AE
4-38	PCUSGA409WRP0	Cushion	2	AE
4-39	PCOVPA422WRFZ	Splash cover	1	BK
4-40	LANGQA512WRP0	Thermistor angle	1	AE
4-41	LANGKA475WRP0	Switch mounting angle	1	AD
4-42	LANGKA760WRP0	Switch lever	1	AE
4-43	PCUSUA268WRP0	Cushion	1	AA
4-44	MSPRCA101WRE0	Switch lever spring C	1	AC
4-45	LSUB-A133WRPZ	Thermo contactor	1	AD
4-46	LANGTA408WRWZ	Lamp glass mounting plate	1	AK
4-47	PSPA-A114WRF0	Switch spacer	1	AC
4-48	LSUB-A134WRPZ	Hinge support angle	1	AD

DOOR PARTS

Δ 5	CDORFB029WRKZ	Door assembly	1	BT
Δ 5- 1	DDORFB192WRKZ	Door panel assembly	1	
5- 2	GCOVAA242WRY0	Door case	1	BD
5- 3	FHNDMA011WRY0	Door lever assembly	1	AP
5- 4	GCOVHA350WRF0	Choke cover	1	AR
5- 5	JHNDMA039WRM0	Door handle	1	AX
5- 6	LANGKA766WRP0	Outside window fixing plate	2	AF
5- 7	PCUSGA430WRP0	Cushion	2	AM
5- 8	PGLSPA457WRE0	Door glass	1	AV
5- 9	PPACGA142WRP0	Door case packing	2	AF
5-10	PGID-0024WRF0	Handle guide	4	AC
5-11	PGID-0025WRF0	Handle spacer	1	AC
5-12	PSPA-A102WRE0	Door case spacer	2	AE
5-13	XHTS740P08RV0	Screw : 4mm x 8mm	9	AG
5-14	FANGKA200WRY0	Latch fixing angle	1	AQ
Δ 5-15	FLEVFA019WRY0	Joint lever	1	AP
5-16	LSTPCA002WRM0	Latch head	2	AM
5-17	MLEVPA220WRF0	Head lever	1	AM
5-18	MSPRCA097WRE0	Latch spring	1	AG
5-19	HBDGCA066WRE0	Door badge [R-23GT-F]	1	AF
5-19	HBDGCA067WRE0	Door badge [R-24GT-F]	1	AF
5-20	PCUSGA486WRP0	Handle cushion	1	AM

MISCELLANEOUS

6- 1	TINSEB105WRRZ	Instruction manual	1	AG
6- 2	TLABHA024WRR0	Menu sticker	1	AH
6- 3	FW-VZB755WRE0	Switch harness	1	AQ
6- 4	FW-VZC077WREZ	Main wire harness	1	BD
6- 5	LHLDWQ005YBE0	Purse lock LL	1	AA
6- 6	LBNDKA079WRE0	Wire holder	3	AB
6- 7	FW-VZC039WREZ	Supply harness	1	AL
6- 8	TCAUAA130WRR0	Lamp caution	1	AC
* 6- 9	QW-QZA238WRE0	High voltage wire	2	AF
6-10	TCAUAA288WRRZ	Monitor caution label	1	AD
6-11	TCAUA0165WRR0	DHHS caution label	1	AB
6-12	TCAUAA279WRRZ	Voltage caution label	1	AF
6-13	LHOLDA004WRE0	Cord holder	1	AA
6-14	TCAUAA181WRR0	Filter caution label	1	AC
6-15	TCAUAA165WRR0	User caution	1	AC

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
6-16	LHLDWQ004YBE0	Purse lock L	1	AA

SCRE,NUTS AND WASHERS

7- 1	XCBWW30P08000	Screw : 3mm x 8mm	6	AB
7- 2	XBPS730P28KS0	Screw : 3mm x 28mm	2	AB
7- 3	XNES730-24000	Nut : 3mm x 2.4mm	4	AE
7- 4	LX-BZA130WRE0	Special screw	1	AD
7- 5	LX-BZA116WRE0	Special screw	2	AD
7- 6	LX-BZA041WRE0	Special screw	2	AA
7- 7	LX-BZA132WREZ	Special screw	4	AB
7- 8	LX-BZA138WREZ	Special screw	11	AB
7- 9	LX-BZA139WREZ	Special screw	1	AA
7-10	LX-EZA004WRE0	Special screw	2	AA
7-11	XOTS740P06000	Screw : 4mm x 6mm	1	AA
7-12	LX-NZ0082WRE0	Special nut	1	AA
7-13	LX-BZA152WREZ	Special screw	1	AB
7-14	LX-BZA164WREZ	Special screw	12	AC
7-15	LX-CZA095WREZ	Special screw	3	AB
7-16	LX-WZA035WRE0	Special washer	1	AB
7-17	XOTS740P10RV0	Screw : 4mm x 10mm	3	AB
7-18	XOTS740P08000	Screw : 4mm x 8mm	6	AA
7-19	XCHWW40P08000	Screw : 4mm x 8mm	2	AB
7-20	XBPS730P50K00	Screw : 3mm x 50mm	2	
7-21	XJPS740P10000	Screw : 4mm x 10mm	3	AA
7-22	XOTWW40P08000	Screw : 4mm x 8mm	32	AB
7-23	LX-BZA169WREZ	Special screw	4	AC

HOW TO ORDER REPLACEMENT PARTS

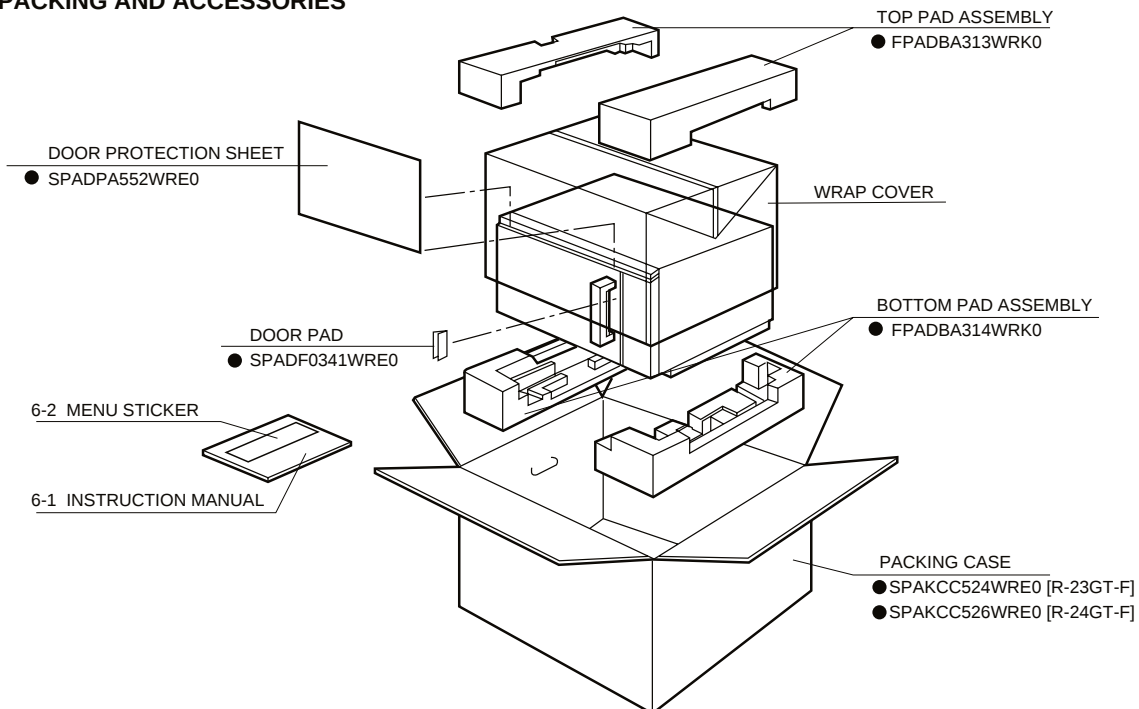
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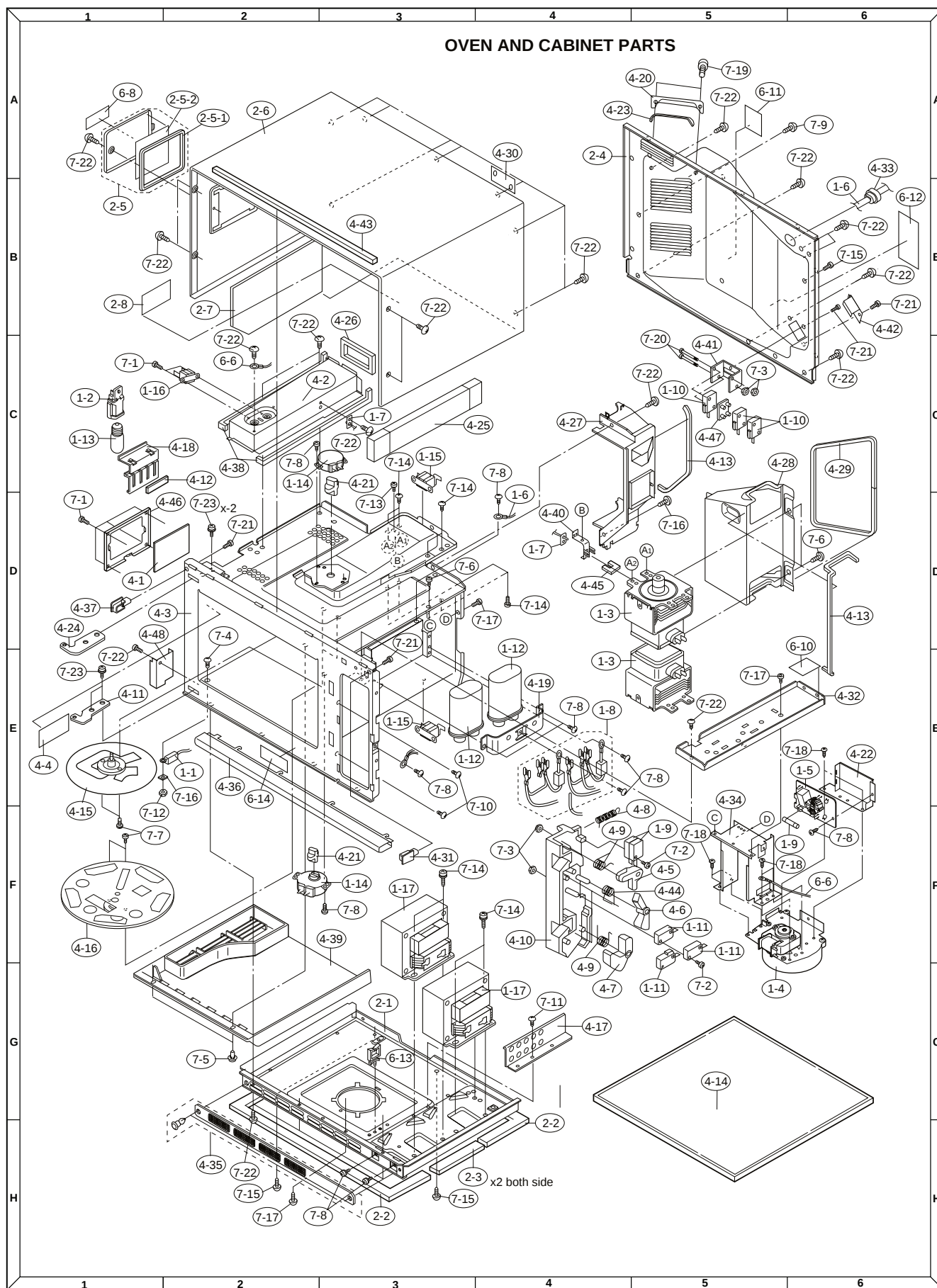
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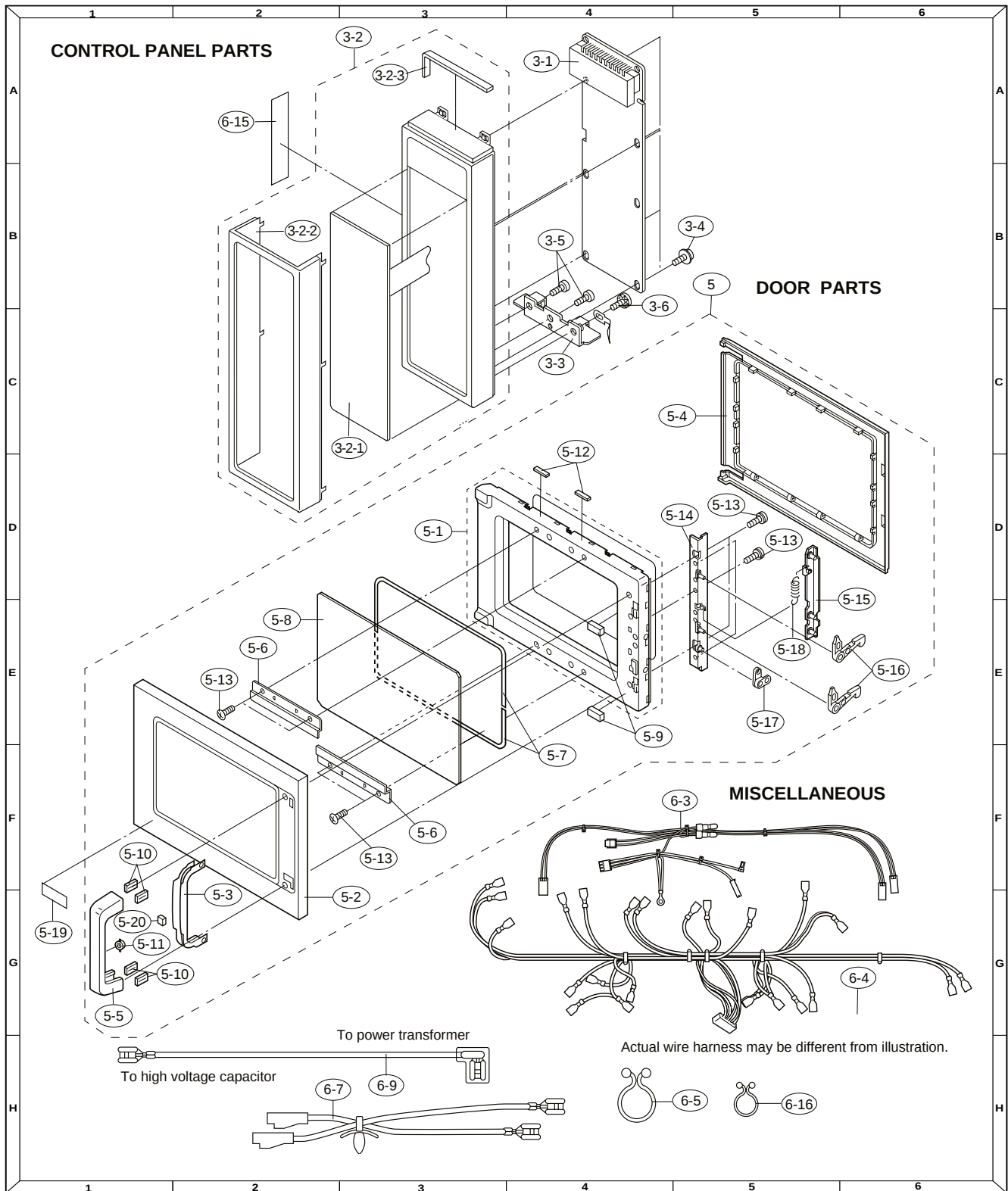
Order Parts from the authorized SHARP parts Distributor for your area.

Defective parts requiring return should be returned as indicated in the Service Policy.

PACKING AND ACCESSORIES







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